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Lesson Plan – Final

Due Date: 10/25/2013

**Waste – Reduce, Reuse, Recycle**

Grade level: 2nd

**Objective**: Students will be able to identify waste and how we can reduce, reuse, and recycle waste.

**Materials**:

* SmartBoard
* BrainPop video: <http://www.brainpopjr.com/science/conservation/reducereuserecycle/>
* <http://www.kindergarten-lessons.com/support-files/recycle_sort_worksheet.pdf>
* <http://www.newcastle.nsw.gov.au/__data/assets/pdf_file/0003/118524/Recycling_Activity_Sheets.pdf> (page 4)
* Classroom garbage

**Standards**:

* Standard 4: The Living Environment: Key Idea 7: 7.1a: Humans depend on their natural and constructed environments; 7.1c: Humans, as individuals or communities, change environments in ways that can be either helpful or harmful for themselves and other organisms.

**Danielson**:

* Domain 3: Instruction: Competency 3c – Engaging Students in Learning

**Connection**:

Students, yesterday we began to talk about waste and what waste is. Today we are going to continue to talk about waste. We are going to talk about what waste is, how we can REDUCE waste, how we can REUSE waste, and how we can RECYCLE waste.

**Teach**:

Introduce lesson by showing video on BrainPop: Reduce, Reuse, Recycle. Lead a discussion on video. Ask: What is waste? What are some examples of WASTE in your own lives? (Make a list as students share) How can we REDUCE waste? What are some examples of how we can REDUCE waste? (Make a list as students share) How do we REUSE? What are some examples of how we can REUSE things in our lives? (Make a list as students share) How do we RECYCLE? What are some examples of things that we can RECYCLE? (Make a list as students share).

**Active Engagement**:

Let’s do an activity together! Let’s go through our classroom garbage! Let’s see what we have inside! (Go through each piece of garbage, ask students, can we reduce this? Can we reuse this? How? Can we recycle this?)

**Link to their work**:

Remember, that waste is anything that we throw out and can’t reuse. We make tons of waste. A lot of our waste is taken to landfills. How can we reduce waste? When you reduce, you cut down or make something smaller. So we can reduce by using less stuff. What does it mean to reuse? When you reuse something you can use it again and again. We can fix our broken toys instead of throwing out our broken toys or you can sell them so that other people can reuse it. Or we can reuse a bag to go to the supermarket instead of using plastic bags. What does it mean to recycle? To recycle is to use materials from old items to make new items. We can recycle plastic, cans, glass, paper, and batteries too!

**Independent** **Practice**:

After students go through the garbage as a class, students complete a worksheet: I CAN SORT THE GARBAGE where students will list and draw the items in the garbage and pick through the items that can be RECYCLED. After, students complete a worksheet where they draw a line from the picture of recyclables to the new item that it can be recycled into.

**Share**:

Let’s share what we put in the recycle column on our worksheet: I CAN SORT THE GARBAGE. Let’s share what we connected on our worksheet that shows what our recycled items can become and be recycled into.

**Conclusion**:

So what is waste? What are some examples of waste? After the video we watched and the activities that we did, what are some ways that we can reduce waste? What are some ways that we can reuse our waste? What are some ways that we can recycle our waste?

**Assessment**:

* Teacher based: Can students identify what waste is? Can students identify what it means to reduce? Can students identify how we can reduce? Can students identify what it means to reuse? Can students identify how we can reuse? Can students identify what it means to recycle? Can students identify how we can recycle?
* Teacher based: Can students sort out garbage? Can students sort out the items to be recycled?
* Teacher based: Can students identify the recycled items and identify the new items that they can be made into?
* Teacher based: For homework: Have students get a clear bag where they can put their garbage into. Tell students that when they want to throw something out, they should place it in a bag. Tell students to start collecting their garbage in their bags and bring it to school tomorrow and for the next activity that students will do. Can students collect their own garbage and see how much waste that they produce and identify the waste that can be reduced, reused, and recycled?

**Extension**: (Day 2)

As a follow up, have students bring in their clear bags. Remind students that whenever they want to throw something out, they should place it in a bag. Have them continue with their day, but still carry their garbage around. Students will learn how much waste they produce in a day. After two days of collecting their garbage and carrying it around, we will add a math connection by weighing each bag at the end of the day and comparing weights. We will then discuss the garbage that each student has collected and what could be reused, recycled, or reduced. Have them do the activity again but challenge them to cut their waste in half. What in their trash is biodegradable? What isn’t? (This will lead into a lesson on what it means to be biodegradable).

Works Cited

BrainPop <http://www.brainpopjr.com/science/conservation/reducereuserecycle/>

<http://www.brainpop.com/educators/community/lesson-plan/reduce-reuse-recycle-activities-for-kids/>

<http://www.kindergarten-lessons.com/support-files/recycle_sort_worksheet.pdf>

<http://www.newcastle.nsw.gov.au/__data/assets/pdf_file/0003/118524/Recycling_Activity_Sheets.pdf>